

**Note on Engineering Details**

**No:** DWR-Fru-extern-001

**Title:** **Inspection Certificates Required for Structural Members for Offshore Wind Turbines**

**Ref.:** GL "Guideline for the Certification of Offshore Wind Turbines", Edition 2005

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**Key Words:** Steel Grades, Material Quality, Inspection Certificates

As an alternative to the requirements stated in our "Guideline for the Certification of Offshore Wind Turbines", Edition 2005, sections 3.3.1.1 (5) and 3.3.1.2, the material tests for offshore structural members may be chosen as given below:

The requirements on material inspection certificates shall be defined with respect to the importance of the component. Therefore the inspection certificate is related to the significance of structural members.

If not otherwise agreed with GL, inspection certificates shall be submitted as a minimum for:

- Special structural members: inspection certificate 3.2 acc. to EN 10204 or equivalent
- Primary structural members: inspection certificate 3.1 acc. to EN 10204 or equivalent
- Secondary structural members: inspection certificate 2.2 acc. to EN 10204 or equivalent

For special structural members which will be applied for structures of offshore wind turbines, the materials shall be tested by GL or other accredited certification bodies.

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